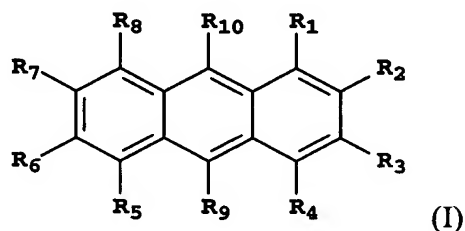


**WHAT IS CLAIMED IS:**

1. An OLED device comprising an anode and a cathode and located there-between a light emitting layer containing a light emitting dopant and a host comprising a monoanthracene derivative of formula (I):



wherein

R<sub>1</sub>-R<sub>8</sub> are H;

R<sub>9</sub> is not the same as R<sub>10</sub>;

R<sub>9</sub> is a biphenyl group containing no fused rings with aliphatic carbon ring members;

R<sub>10</sub> is an *ortho*-substituted- or *meta* monosubstituted phenyl group;  
provided that R<sub>9</sub> and R<sub>10</sub> are free of amines and sulfur compounds.

2. The device of claim 1 wherein R<sub>9</sub> is an unsubstituted biphenyl group.

3. The device of claim 1 wherein at least one of the phenyl rings of the biphenyl has a ring fused thereto.

4. The device of claim 1 wherein the biphenyl contains two phenyl ring groups without fused rings.

5. The device of claim 3 wherein the biphenyl is a 2-biphenyl.

6. The device of claim 3 wherein the biphenyl is a 3-biphenyl.
7. The device of claim 3 wherein the biphenyl is a 4-biphenyl.
8. The device of claim 3 wherein all of the phenyl rings are unsubstituted.
9. The device of claim 1 wherein the biphenyl is substituted with at least one substituent selected from fluorine, hydroxy, cyano, and alkyl, alkoxy, aryloxy, aryl, carboxy, trimethylsilyl and heterocyclic oxy groups.
10. The device of claim 1 wherein  $R_{10}$  is *ortho*-substituted.
11. The device of claim 10 wherein the *ortho* substituent is selected from fluorine, hydroxy, cyano, and alkyl, alkoxy, aryloxy, aryl, carboxy, trimethylsilyl and heterocyclic oxy groups.
12. The device of claim 10 wherein the *ortho* substituent is a phenyl group.
13. The device of claim 1 wherein  $R_{10}$  is *meta* mono-substituted.
14. The device of claim 13 wherein the substituent is selected from fluorine, hydroxy, cyano, and alkyl, alkoxy, aryloxy, aryl, carboxy, trimethylsilyl and heterocyclic oxy groups.
15. The device of claim 13 where in the *meta* substituent is a phenyl group.
16. The device of claim 13 where in the *meta* substituent is a naphthyl group.

17. The device of claim 13 wherein the *meta* substituent is a biphenyl group.
18. The device of claim 1 wherein there is also present in the light emitting layer a light emitting compound.
19. The device of claim 18 wherein the light emitting compound emits blue light.
20. The device of claim 18 wherein the light emitting compound emits green light.
21. The device of claim 1 including in one or more light emitting layers compounds sufficient for the device to emit white light.
22. The device of claim 1 including a co-host.
23. The device of claim 22 including a polymeric co-host.
24. The device of claim 22 including an oxinoid compound co-host.
25. The device of claim 24 wherein the oxinoid is Alq.
26. A display incorporating the device of claim 1.
27. An area lighting system incorporating the device of claim 1.